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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
COBB ET AL.)
Serial No. 09/393,639) Examiner: D. VO
Filing Date: September 10, 1999) Art Unit: 2631
For: CARRIER INJECTING WAVEFORM-)
BASED MODULATION SCHEME FOR)
REDUCING SATELLITE TRANSPONDER)
POWER REQUIREMENTS AND EARTH)
TERMINAL ANTENNA SIZE)

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AMENDMENT

Director, U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Responsive to the Office Action of April 10, 2002,
please enter the amendments and remarks set out below.

In the Drawings:

Submitted herewith is a request for proposed drawing
modification as indicated in red ink to label FIGS. 1-5 as
prior art, and to correct a mislabeled element in FIG. 3 in
accordance with the specification. Support for the correction
may be found of page 4 of the originally filed specification.
No new matter is being added.

In the Specification:

Please replace the paragraph beginning at page 4,
line 16, with the following rewritten paragraph:

At the receive site 20, signals received by an
antenna 22 and associated low noise amplifier circuitry 23 are
coupled to a demodulator loop, which supplies both I and Q
carrier references. To demodulate the data, the received signal
is coupled to a carrier recovery or regeneration path 25 and a